

Listing of Claims:

Please amend the claims as follows:

Claim 22 (Previously Amended) An isolated human aspartoacylase polypeptide having either an altered ability to hydrolyze N-acetyl-aspartic acid to aspartate and acetate, as compared with a wild-type human aspartoacylase, or incapable of hydrolyzing N-acetyl-aspartic acid to aspartate and acetate, and comprising the amino acid sequence SEQ ID NO: 2 of wild-type human aspartoacylase, except that said sequence has one or more of the following amino acid substitutions:

E285 > A,

Y231 > X, and/or

A305 > E,

whereby E is glutamate, A is alanine, Y is tyrosine, and X is any naturally-occurring amino acid.

Claim 23 (Cancelled)

Claim 24 (Previously Presented) A human aspartoacylase of claim 22, wherein the glutamic acid at amino acid position 285 is substituted by alanine.

Claim 25 (Cancelled)

Claim 26 (Cancelled)

Claim 27 (Cancelled)

Claim 28 (Cancelled)

Claim 29 (Cancelled)
Claim 30 (Cancelled)
Claim 31 (Cancelled)
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Claim 77 (Cancelled)
Claim 78 (Cancelled)

Claim 79 **(Cancelled)**

Claim 80 **(Cancelled)**

Claim 81 **(Cancelled)**

Claim 82 **(Cancelled)**

Claim 83 **(Cancelled)**

Claim 84 **(Cancelled)**

Claim 85 **(Cancelled)**

Claim 86 **(Cancelled)**

Claim 87 **(Cancelled)**

Claim 88 **(Cancelled)**

Claim 89 **(Cancelled)**

Claim 90 **(Cancelled)**

Claim 91 **(Cancelled)**

Claim 92 **(Cancelled)**

Claim 93 **(Cancelled)**

Claim 94 **(Cancelled)**